What is claimed is:

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1. An apparatus for grooming the bedding material in an animal free stall, the apparatus comprising:

a boom adapted for connection to a vehicle, and having a proximal end and a distal end;

a rotary arm rotatably attached to the distal end of the boom, the rotary arm having a lower surface with a plurality of grooming members attached to the lower surface, and wherein a plane in which the rotary arm rotates is at an angle of 1-15 degrees with respect to a surface on which the vehicle is resting; and

a motor for selectively rotating the rotary arm.

2. The apparatus of claim 1 further including an adapter assembly for rotatably connecting the boom to the vehicle; and

a curb guide attached to the boom to maintain position of the rotary arm with respect to the free stall.

3. The apparatus of claim 2 wherein the adapter assembly comprises:

a panel adapted for attachment to a vehicle frame with at least one bracket; and

a saddle member selectively attached to the panel, wherein the boom is rotatably attached to the saddle member.

- 4. The apparatus of claim 3 further including an actuator connected between the boom and the adapter assembly so that when the actuator is retracted, the boom is raised.
- 5. The apparatus of claim 4 wherein the motor and the actuator are operated hydraulically.
 - 6. The apparatus of claim 1 wherein the vehicle comprises a skid steer.
 - 7. The apparatus of claim 3 further including a scraper assembly attached to the boom, the scraper assembly having a blade for pushing the bedding material back into the free stall.
- 10 8. The apparatus of claim 3 wherein a pitch angle of the rotary arm is adjusted by rotating the entire panel.
 - 9. The apparatus of claim 1 wherein a roll angle of the rotary arm is 5 degrees.
- 10. An apparatus for grooming bedding material in barns, the apparatus comprising:
 - a boom having a proximal end and a distal end;
 - a panel adapted for attachment to a vehicle;
 - a saddle member selectively attached to the panel, wherein the proximal end of the boom is rotatably attached to the saddle member;

a rotary arm rotatably attached to a distal end of the boom, the rotary arm having a lower surface with a plurality of grooming members attached to the lower surface, and wherein the pitch of the rotary arm is adjustable, and the roll ranges from 1 to 15 degrees with respect to a horizontal surface; and

5 a motor for selectively rotating the rotary arm.

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11. The apparatus of claim 10 further comprising:

a scraper assembly attached to the boom, the scraper assembly having a blade for pushing the bedding material back into the free stall; and

a curb guide attached to the boom to maintain position of the rotary arm with respect to the free stall.

- 12. The apparatus of claim 11 wherein the blade of the scraper assembly is biased so that it can scrape surfaces of varying heights.
- 13. The apparatus of claim 10 wherein the grooming members are blades attached to the rotary arm at an angle.
- 14. The apparatus of claim 10 wherein the pitch angle is adjusted by rotating the panel.
 - 15. The apparatus of claim 10 wherein the roll angle is 5 degrees.
- 16. The apparatus of claim 10 further including an actuator connected between the boom and the adapter assembly so that when the actuator is retracted, the boom is raised.

- 17. The apparatus of claim 16 wherein the motor and the actuator are hydraulically controlled from a single source of hydraulic fluid.
- 18. The apparatus of claim 16 wherein the rotary arm and grooming members have a combined height of less than 12.7 centimeters.
- 5 19. A method of grooming animal free stalls having a curb, comprising the steps of:

attaching the grooming apparatus of claim 10 to a vehicle;

adjusting the pitch of the rotary arm;

actuating the motor to rotate the rotary arm; and

moving the curb guide along the curb.

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- 20. A rotary arm for a grooming apparatus having a boom, and a motor for rotating the rotary arm, the rotary arm comprising an elongated member having a plurality of grooming members attached at spaced intervals along a single side of the elongated member.
- 15 21. An apparatus for grooming bedding material in barns, the apparatus comprising:

a boom having a proximal end and a distal end;

an arm having a a proximal end and a distal end;

a bracket connecting the distal end of the boom to the proximal end of the arm;

a rotary arm rotatably attached to a distal end of the arm, the rotary arm having a lower surface with a plurality of grooming members attached to the lower surface; and a motor attached to the arm for selectively rotating the rotary arm.